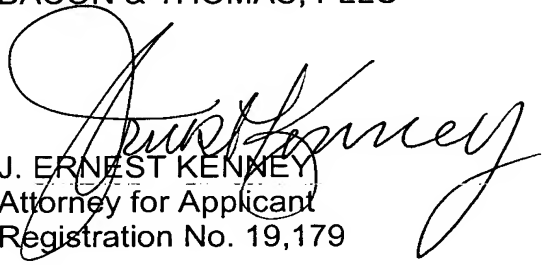


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clear terms. None of the amendments are intended to narrow any element of the claims as they stood prior to amendment. Examination of the application as amended is respectfully requested.

Respectfully submitted,
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APPENDIX OF MARKED UP VERSION OF CLAIMS

4(Amended). Sorting device according to claim 2 [or 3], characterized in that the light sources (17 - 18 - 32) are semiconductor laser sources.

6(Amended). Sorting device according to claim 2 [or 3], characterized in that the light sources (17 - 18 - 32) are solid matter laser sources.

7(Amended). Sorting device according to [any of the preceding claims] claim 1, characterized in that the light sources (17 - 18 - 32) radiate light of a different wavelength.

8(Amended). Sorting device according to [any of claims 2 to 7] claim 2, characterized in that the coupling-in optics (21 - 22 - 33) [consist of] comprise connectorized components.

9(Amended). Sorting device according to [any of claims 2 to 7] claim 2, characterized in that the coupling-in optics (21 - 22 - 33) are provided with connectors.

10(Amended). Sorting device according to [any of claims 2 to 9] claim 2, characterized in that the combining unit (23) comprises dichroic elements.

11(Amended). Sorting device according to [any of claims 2 to 9] claim 2, characterized in that the combining unit (23) makes use of fused optical wavelength technology.

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15(Amended). Sorting device according to claim 13 [or 14], characterized in that the bundle (40) of waveguides (41 - 42) is divided into separate parts (45 - 46 - 53) which correspond to well-defined portions of the formed image.

17(Amended). Sorting device according to claim 15 [or 16], characterized in that each of the parts (45 - 46 - 53) are separated from each other by means for avoiding cross-coupling between the parts (45 - 46 - 53).

18(Amended). Sorting device according to [any of the claims 15 to 17] claim 15, characterized in that the bundles forming the aforementioned respective parts (45 - 46 - 53) are led separately to detectors (50) and/or splitting optics (51).

19(Amended). Sorting device according to [any of the claims 15 to 18] claim 15, characterized in that several bundles (40 - 56) [consisting of] comprising different parts are used after the image has been divided into two or more images by means of splitting optics (55).

21(Amended). Sorting device according to [any of claims 12 to 20] claim 12, characterized in that the optical waveguides [consist of] comprise fibers with a large core diameter/mantle diameter ratio and/or a high numerical aperture.

22(Amended). Sorting device according to [any of the preceding claims] claim 1, characterized in that the inspection unit (2), as well at the sending side as at the detection side, is provided with means making use of waveguide technology.

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25(Amended). Sorting device according to claim 23 [or 24], characterized in that at the sending side and/or detection side of the inspection unit (2), use is made of two or more waveguide systems.

[26. Sorting device, characterized in that it shows a combination of characteristics of two or more of the claims 1 to 25.]

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